

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-4 (canceled)

Claim 5 (currently amended): A method of making a particle board comprising a core layer and two face layers formed on both, front and back, sides of the core layer, comprising the steps of:

preparing core layer wooden materials and face layer wooden materials which are smaller in the average particle diameter than the core layer wooden materials;

applying an adhesive of a thermosetting resin to the core layer wooden materials and the face layer wooden materials;

mixing resin particles of a thermoplastic resin with the core layer wooden materials and the face layer wooden materials to yield a core layer material mixture and a face layer material mixture;

~~making a pile of the face layer material mixture and a pile of the core layer material mixture by turns, so as to form a semi-finished board product consisting of the core layer and the two face layers; and~~

forming a semi-finished board product, the forming comprising,

providing a first plastic sheet;

forming a first face layer on the first plastic sheet by dispersing the face layer material mixture on the first plastic sheet and leveling the dispersed face layer material mixture;

forming a core layer on the first face layer by dispersing the core layer material mixture on the first face layer and leveling the dispersed core layer material mixture;

forming a second face layer on the core layer by dispersing the face layer material mixture on the core layer and leveling the dispersed face layer material mixture; and

putting a second plastic sheet on the second face layer; and

pressurizing the semi-finished board product with heating, so as to melt and cause the first and second plastic sheets and the resin particles to permeate and fill the voids between the adjacent wooden materials,

wherein said providing a first plastic sheet, said forming a first face layer on the first plastic sheet, forming a core layer on the first face layer, forming a second face layer on the core layer, and putting a second plastic sheet on the second face layer are performed sequentially.

Claim 6 (original): A method of making particle board according to claim 5, wherein the resin particles to be mixed with the face layer wooden materials are smaller in the average particle diameter than those to be mixed with the core layer wooden materials.

Claim 7 (original): A method of making a particle board according to claim 5, wherein the wooden materials are waste structural woods.

Claim 8 (original): A method of making a particle board according to claim 5, wherein the resin particles are recycled materials formed by melting by heat and shaping

Application No. 10/075,199
Reply to Office Action of December 1, 2003

waste thermoplastic resin pieces.